



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/626,080	07/26/2000	Do-Hyoung Kim	Q59998	8070
7590	04/13/2005		EXAMINER	
Sughrue Mion Zinn MacPeak & Seas				VANDERPUYE, KENNETH N
Darryl Mexic				
2100 Pennsylvania Avenue				
Washington, DC 20037				
				ART UNIT
				PAPER NUMBER
				2661

DATE MAILED: 04/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/626,080	KIM ET AL.
	Examiner	Art Unit
	Kenneth N Vanderpuye	2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 1-5 is/are allowed.
- 6) Claim(s) 6-11 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6- 9, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hatae et al. (2003/0172201) in view of Saito et al.(6,751,221).

With regards to claims 6-7, 11, Hatae teaches a method for managing the connection of a plurality devices which are point-to-point connected by a digital interface(Fig. 10), the method comprising:

a second device(Fig. 10, controller), which establishes a point to point connection between an arbitrary first device(Fig. 10, source) and another device(Fig. 10, destination), receiving a connection release request command requesting the second device to break the point to point connection from the first device(see col. 12 , para. 0266-68, implicitly taught because according to Hatae the controller releases the connection when data transfer is complete, hence the completion of a data transfer is

equivalent to a request to release); the second device breaking the point to point connection in response to the connection release request command.(col. 12, para 0268), wherein the release request command is defined within an audio-video control command transaction set(Fig. 10 AVC/CTS command, this is unique to IEEE 1394 and is used for transactions between consumer audio/video equipment over and IEEE 1394 bus). Even though the use of the release command is not explicitly taught in Hatae, it is taught by Saito(Fig. 30). It would have been obvious to one of ordinary skill in the art to combine Saito with Hatae for the purpose of enabling the issuing of release command to the controller. The motivation being to release the controller from having to determine if the data transfer is completed, hence releasing the controller from having to track this activity.

Claims 8-9 are rejected because in Hatae a clear connection is exchanges between the destination and the controller and the source and the controller(Fig. 10).

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hatae et al. (2003/0172201) in view of Saito et al.(6,751,221), as in claim 1 and further in view of Scheel et al.(6,445,711).

With regards to claim 10, Hatae teaches the plug and play function being associated with IEEE 1394. However no mention is made of the IEC 61883 standard. This taught by Scheel(col 2 lines 37-44). It would have been obvious to combine Scheel with Hatae and Saito for the purpose of implementing the plug and play function. The motivation being to enable the dynamic addition or removal the bus while other devices continue to operate.

Allowable Subject Matter

Claims 1-5 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth N Vanderpuye whose telephone number is 571-272-3078. The examiner can normally be reached on M-F(7:30-5:00) Second Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on 571-272-3126. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

KNV
4/11/05



KENNETH VANDERPUYE
PRIMARY EXAMINER